

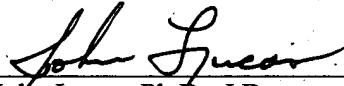
Amendments to claims:

Claim 38 has been canceled without prejudice. In related applications, Applicant reserves the right to pursue the subject matter of the claims belonging to the non-elected groups to be withdrawn by the Examiner. New claims 43-68 have been added. Newly added claims 43-68 relate to polypeptides of SEQ ID NO:4 of the present application. Support for new claims 43-68 is found throughout the specification with specific support on page 44 lines 4-16.

This response has been filed in a timely manner. No further fees are seen as being necessary. However, the Commissioner is hereby authorized to charge any fees or credit any overpayment in connection with this document to our Deposit Account No.: 50-1181.

Respectfully submitted,
GENSET CORPORATION

Date: 22 Aug, 2001

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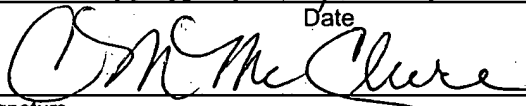
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CLEAN VERSION WITH CHANGES

43. A composition comprising an isolated recombinant polypeptide comprising a contiguous span of at least 6 amino acids of SEQ ID NO:4, wherein said contiguous span includes at least one amino acid selected from the group consisting of:
 - a. a Phe residue at position 204 of SEQ ID NO:4;
 - b. a Phe residue at position 295 of SEQ ID NO:4;
 - c. a Cys residue at position 205 of SEQ ID NO:4; and
 - d. a Pro residue at position 225 of SEQ ID NO:4.
44. The composition of claim 43, wherein said contiguous span includes said Phe residue at position 204.
45. The composition of claim 44, wherein said polypeptide comprises a contiguous span of at least 10 amino acids of SEQ ID NO:4.
46. The composition of claim 44, wherein said polypeptide comprises a contiguous span of at least 20 amino acids of SEQ ID NO:4.
47. The composition of claim 44, wherein said polypeptide comprises a contiguous span of at least 50 amino acids of SEQ ID NO:4.
48. The composition of claim 44, wherein said polypeptide comprises a contiguous span of at least 100 amino acids of SEQ ID NO:4.
49. The composition of claim 43, wherein said contiguous span includes said Phe residue at position 295.
50. The composition of claim 49, wherein said polypeptide comprises a contiguous span of at least 10 amino acids of SEQ ID NO:4.

51. The composition of claim 49, wherein said polypeptide comprises a contiguous span of at least 20 amino acids of SEQ ID NO:4.
52. The composition of claim 49, wherein said polypeptide comprises a contiguous span of at least 50 amino acids of SEQ ID NO:4.
53. The composition of claim 49, wherein said polypeptide comprises a contiguous span of at least 100 amino acids of SEQ ID NO:4.
54. The composition of claim 43, wherein said contiguous span includes said Cys residue at position 205.
55. The composition of claim 54, wherein said polypeptide comprises a contiguous span of at least 10 amino acids of SEQ ID NO:4.
56. The composition of claim 54, wherein said polypeptide comprises a contiguous span of at least 20 amino acids of SEQ ID NO:4.
57. The composition of claim 54, wherein said polypeptide comprises a contiguous span of at least 50 amino acids of SEQ ID NO:4.
58. The composition of claim 54, wherein said polypeptide comprises a contiguous span of at least 100 amino acids of SEQ ID NO:4.
59. The composition of claim 43, wherein said contiguous span includes said Pro residue at position 225.
60. The composition of claim 59, wherein said polypeptide comprises a contiguous span of at least 10 amino acids of SEQ ID NO:4.
61. The composition of claim 59, wherein said polypeptide comprises a contiguous span of at least 20 amino acids of SEQ ID NO:4.

62. The composition of claim 59, wherein said polypeptide comprises a contiguous span of at least 50 amino acids of SEQ ID NO:4.
63. The composition of claim 59, wherein said polypeptide comprises a contiguous span of at least 100 amino acids of SEQ ID NO:4.
64. A composition comprising an isolated recombinant polypeptide comprising a contiguous span of at least 10 amino acids of SEQ ID NO:4, wherein said contiguous span includes a Phe residue at position 257 of SEQ ID NO:4.
65. The composition of claim 64, wherein said polypeptide comprises a contiguous span of at least 20 amino acids of SEQ ID NO:4.
66. The composition of claim 64, wherein said polypeptide comprises a contiguous span of at least 50 amino acids of SEQ ID NO:4.
67. The composition of claim 64, wherein said polypeptide comprises a contiguous span of at least 100 amino acids of SEQ ID NO:4.
68. The composition of claim 43 wherein said polypeptide comprises the amino acid sequence of SEQ ID NO:4.